

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121420\
 Data File : VV019611.D
 Acq On : 14 Dec 2020 17:53
 Operator : SY/MD
 Sample : L4928-02RE
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG4J3

Quant Time: Dec 15 07:24:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 15 07:21:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	629410	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	587953	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	278728	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	225614	49.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.98%
7) Chloroethane-d5	1.57	69	192230	54.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.00%
11) 1,1-Dichloroethene-d2	2.11	63	333803	39.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.70%
21) 2-Butanone-d5	3.89	46	276366	112.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.66%
24) Chloroform-d	4.35	84	413959	50.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.78%
26) 1,2-Dichloroethane-d4	5.04	65	287995	54.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.36%
32) Benzene-d6	5.05	84	840789	53.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.24%
36) 1,2-Dichloropropane-d6	6.07	67	265784	54.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.22%
41) Toluene-d8	7.32	98	745342	52.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.58%
43) trans-1,3-Dichloropropene-	7.62	79	130427	46.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.36%
47) 2-Hexanone-d5	8.09	63	197052	102.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.21%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	341550	51.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.82%
64) 1,2-Dichlorobenzene-d4	11.63	152	274837	52.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.50%

Target Compounds

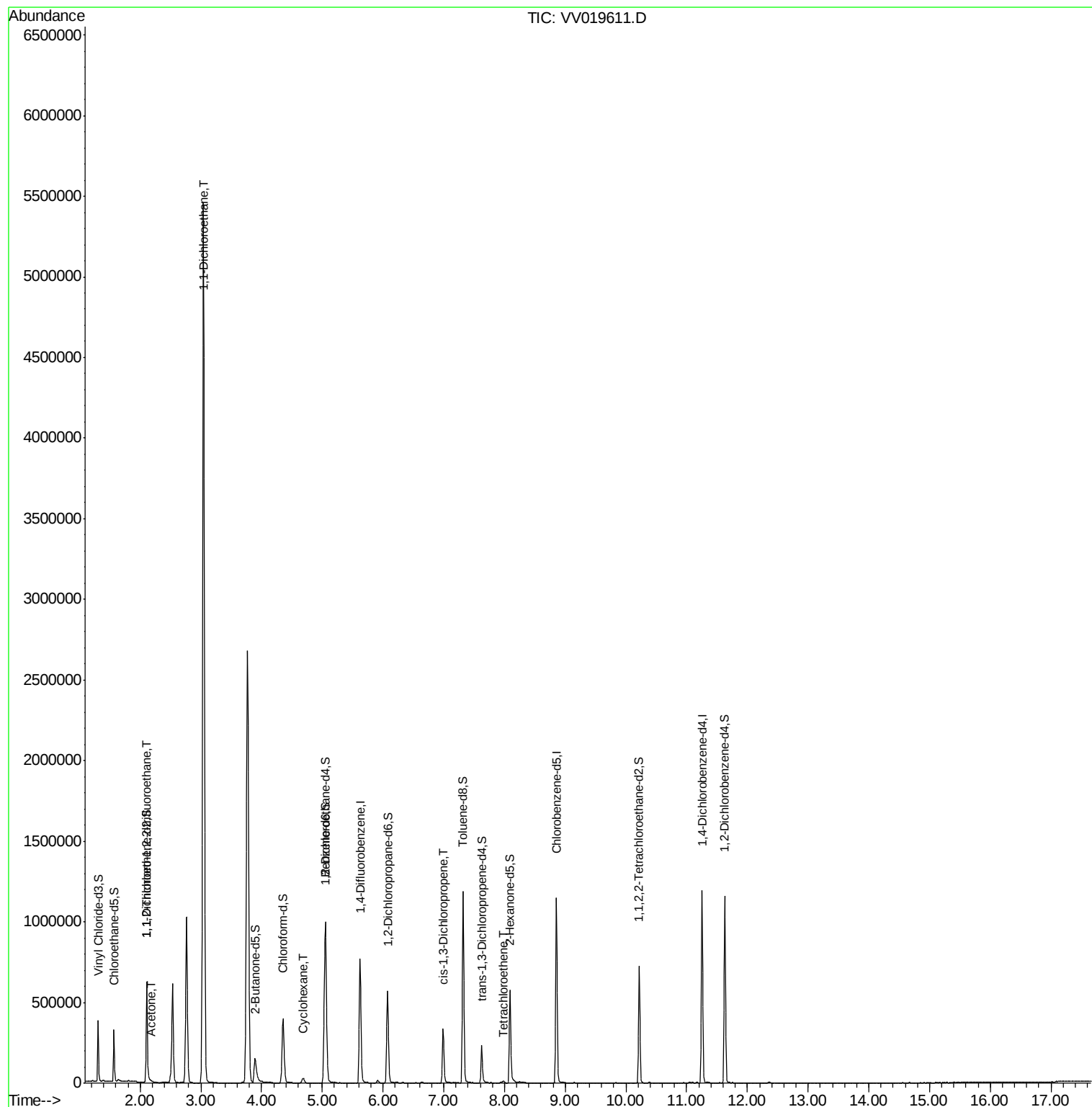
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	2920	0.799 ug/L #	22
13) Acetone	2.19	43	10757	5.147 ug/L	89
19) 1,1-Dichloroethane	3.04	63	9139	1.147 ug/L #	4
29) Cyclohexane	4.68	56	16255	2.256 ug/L #	90
39) cis-1,3-Dichloropropene	6.99	75	9008	1.209 ug/L #	72
46) Tetrachloroethene	7.98	164	2168	0.690 ug/L	97

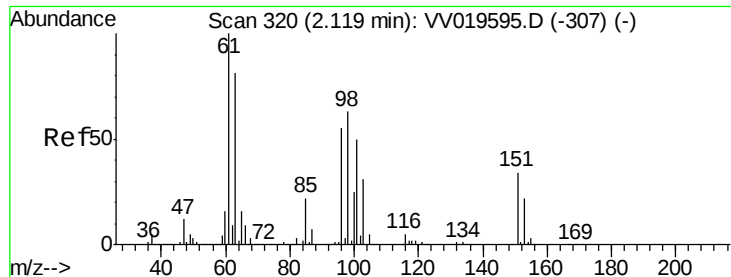
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.799 ug/L

RT: 2.11 min Scan# 317

Delta R.T. -0.01 min

Lab File: VV019611.D

Acq: 14 Dec 2020 17:53

Instrument :

MSVOA_V

ClientSampleId :

BG4J3

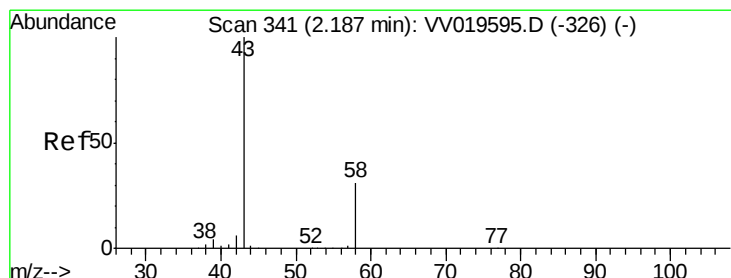
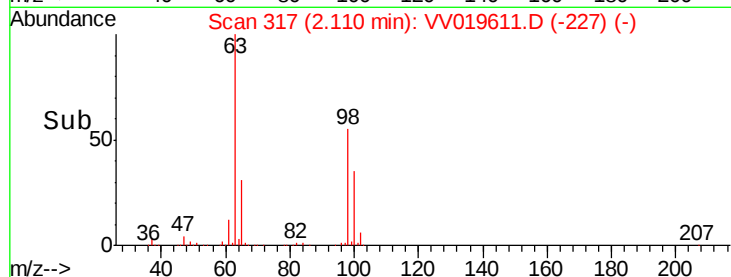
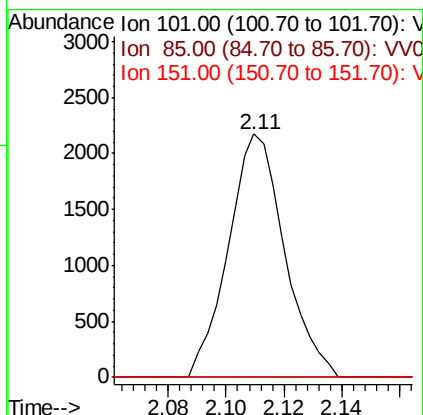
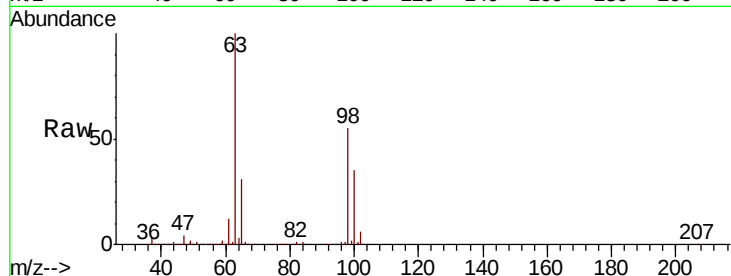
Tot Ion:101 Resp: 2920

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

151 0.0 55.8 83.8#



#13

Acetone

Concen: 5.147 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV019611.D

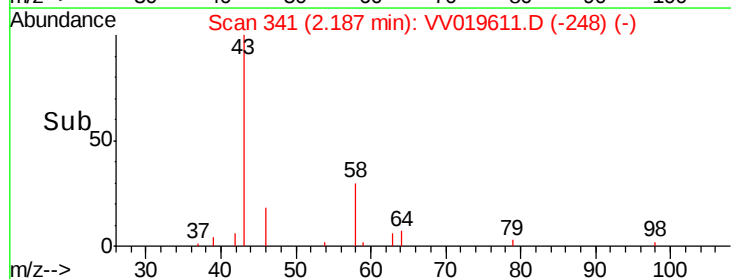
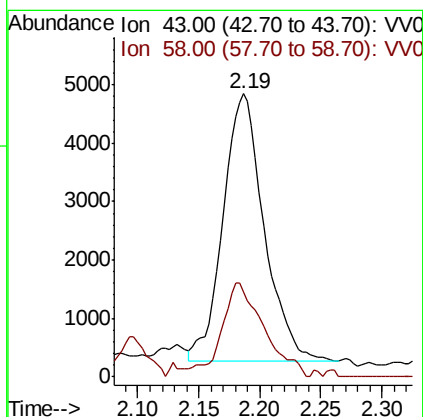
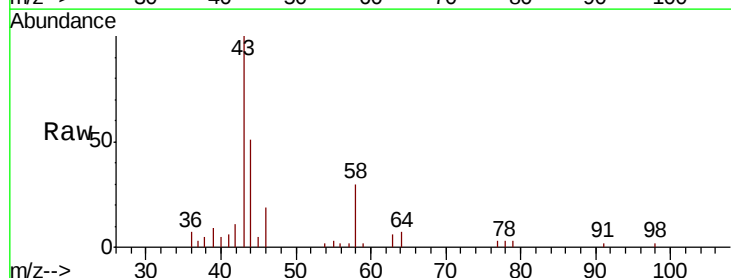
Acq: 14 Dec 2020 17:53

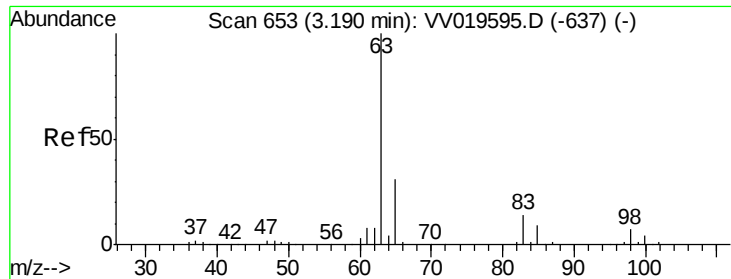
Tgt Ion: 43 Resp: 10757

Ion Ratio Lower Upper

43 100

58 24.7 0.0 61.6





#19

1,1-Dichloroethane

Concen: 1.147 ug/L

RT: 3.04 min Scan# 606

Delta R.T. -0.15 min

Lab File: VV019611.D

Acq: 14 Dec 2020 17:53

Instrument :

MSVOA_V

ClientSampleId :

BG4J3

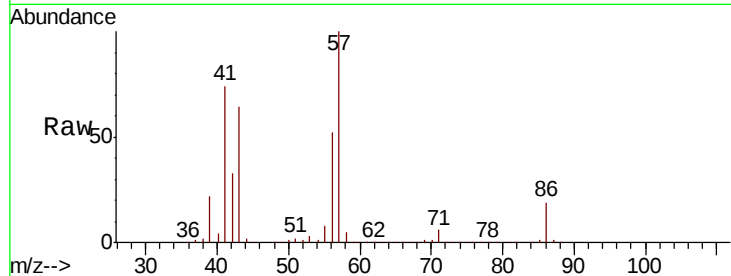
Tot Ion: 63 Resp: 9139

Ion Ratio Lower Upper

63 100

65 100.3 22.4 41.6#

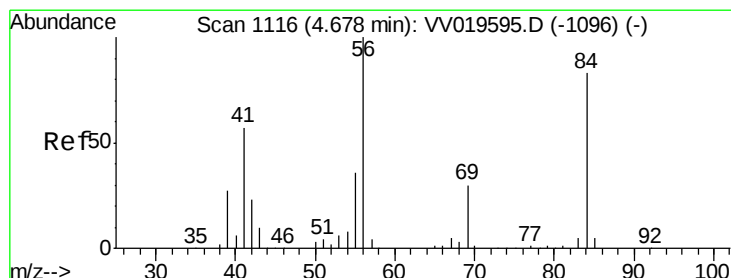
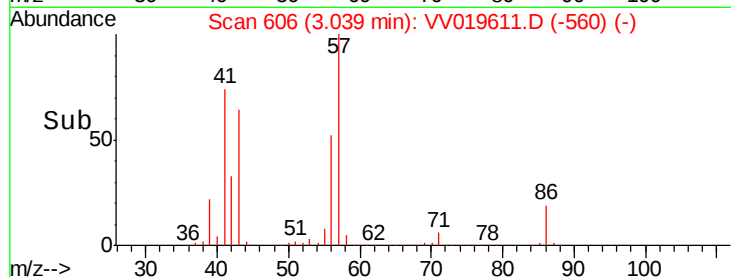
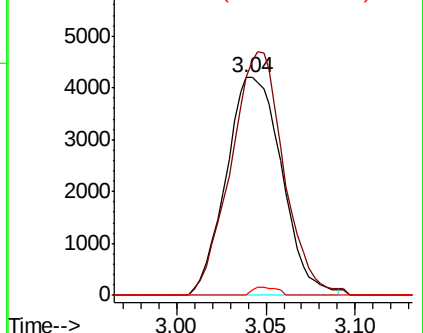
83 0.0 9.6 17.8#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#29

Cyclohexane

Concen: 2.256 ug/L

RT: 4.68 min Scan# 1117

Delta R.T. 0.00 min

Lab File: VV019611.D

Acq: 14 Dec 2020 17:53

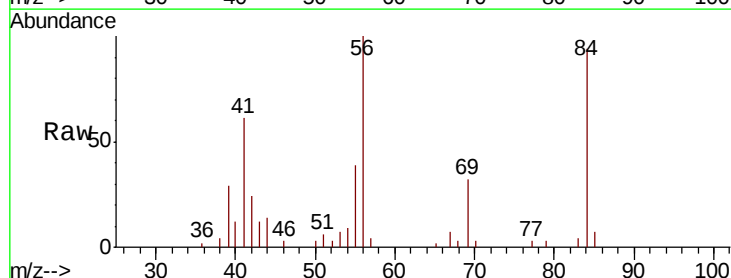
Tgt Ion: 56 Resp: 16255

Ion Ratio Lower Upper

56 100

69 14.9 24.6 37.0#

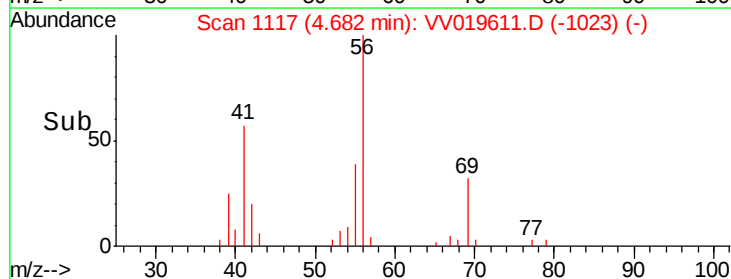
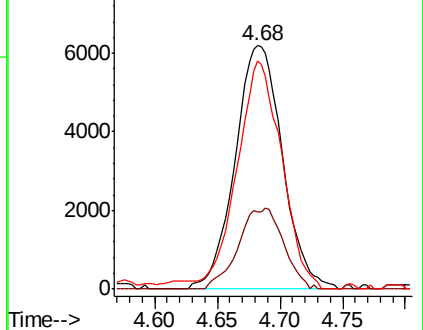
84 88.3 68.2 102.4

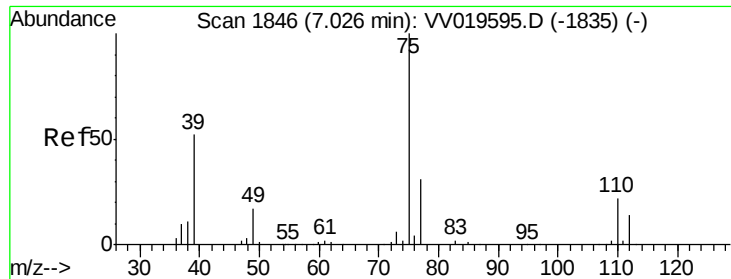


Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0





#39

cis-1,3-Dichloropropene

Concen: 1.209 ug/L

RT: 6.99 min Scan# 1834

Delta R.T. -0.04 min

Lab File: VV019611.D

Acq: 14 Dec 2020 17:53

Instrument :

MSVOA_V

ClientSampled :

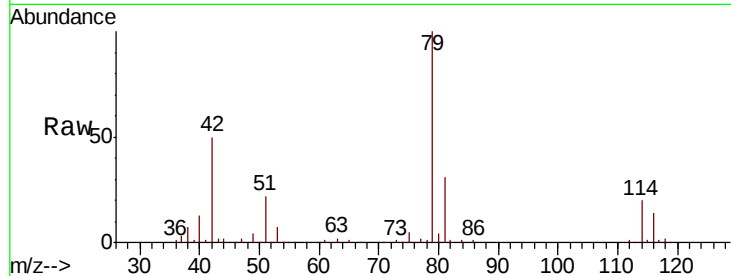
BG4J3

Tot Ion: 75 Resp: 9008

Ion Ratio Lower Upper

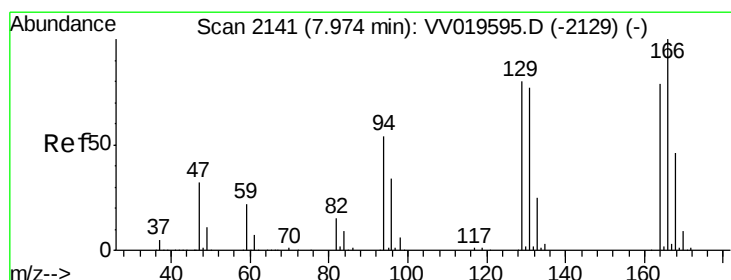
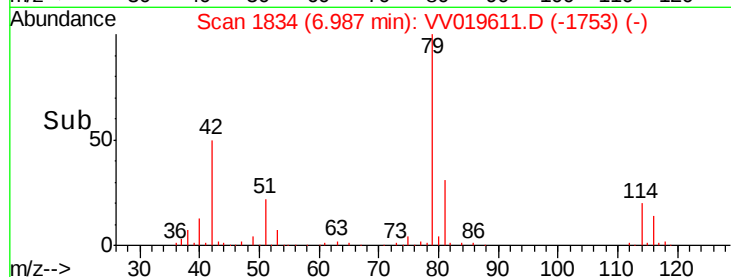
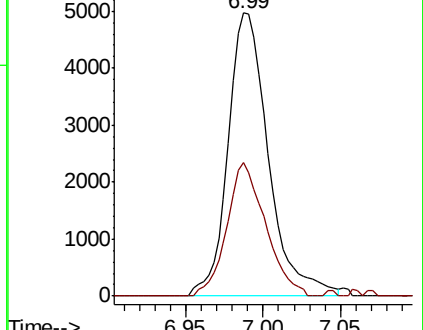
75 100

77 47.4 22.4 41.6#



Abundance Ion 75.00 (74.70 to 75.70): VV019595.D (-1835) (-)

Ion 77.00 (76.70 to 77.70): VV019595.D (-1835) (-)



#46

Tetrachloroethene

Concen: 0.690 ug/L

RT: 7.98 min Scan# 2144

Delta R.T. 0.01 min

Lab File: VV019611.D

Acq: 14 Dec 2020 17:53

Tgt Ion:164 Resp: 2168

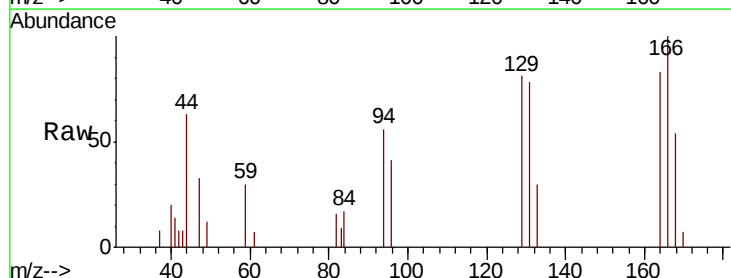
Ion Ratio Lower Upper

164 100

129 97.8 70.6 131.0

131 94.1 68.0 126.4

166 120.5 86.9 161.5



Abundance Ion 164.00 (163.70 to 164.70): VV019595.D (-2129) (-)

Ion 129.00 (128.70 to 129.70): VV019595.D (-2129) (-)

Ion 131.00 (130.70 to 131.70): VV019595.D (-2129) (-)

Ion 166.00 (165.70 to 166.70): VV019595.D (-2129) (-)

